*FIG. 2*

This figure is a block diagram of the control logic for the hard disk drive. It shows a central printed circuit board (PCB) with the following components and their interconnections:

- ROM** (42) is connected to the μP (35).
- The μP (35) is connected to the **MOTOR CONTROL** block, the **RAM** (43), and the **READ/WRITE CONTROL** block.
- The **MOTOR CONTROL** block is connected to the **ACT CONTROL** block (40).
- The **READ/WRITE CONTROL** block is connected to the **ACT CONTROL** block (40).
- The **ACT CONTROL** block (40) is connected to the head assembly, which includes a flexible cable 30, a magnetic head 28, and a platter 22.
- A separate line labeled 38 connects the **READ/WRITE CONTROL** block to the head assembly.

FIG. 3

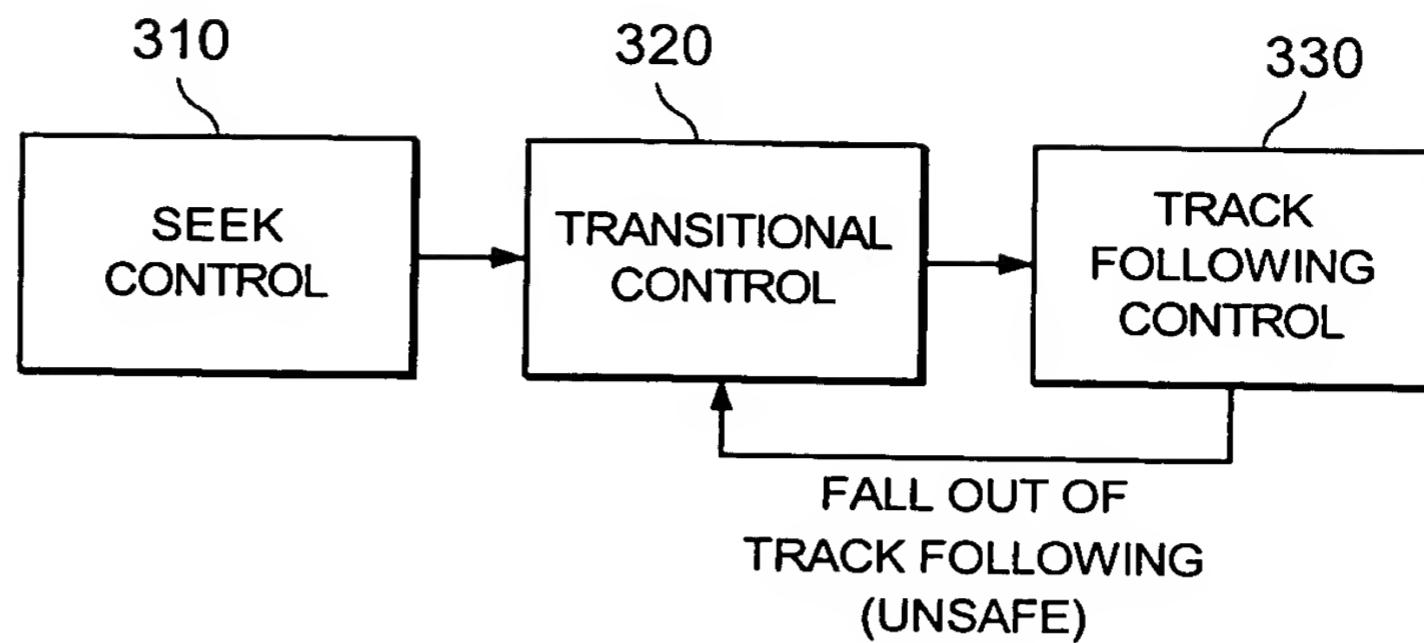
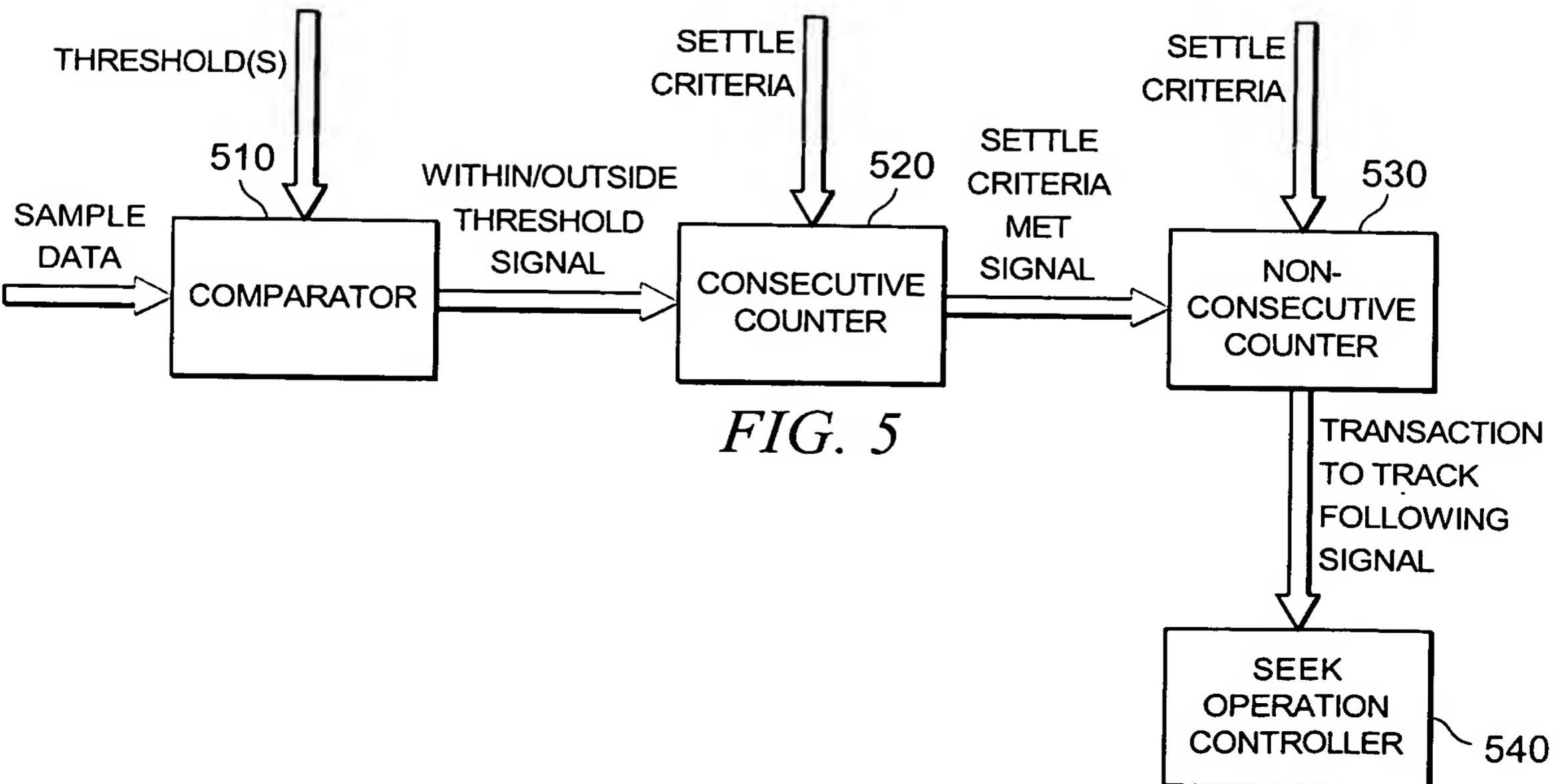
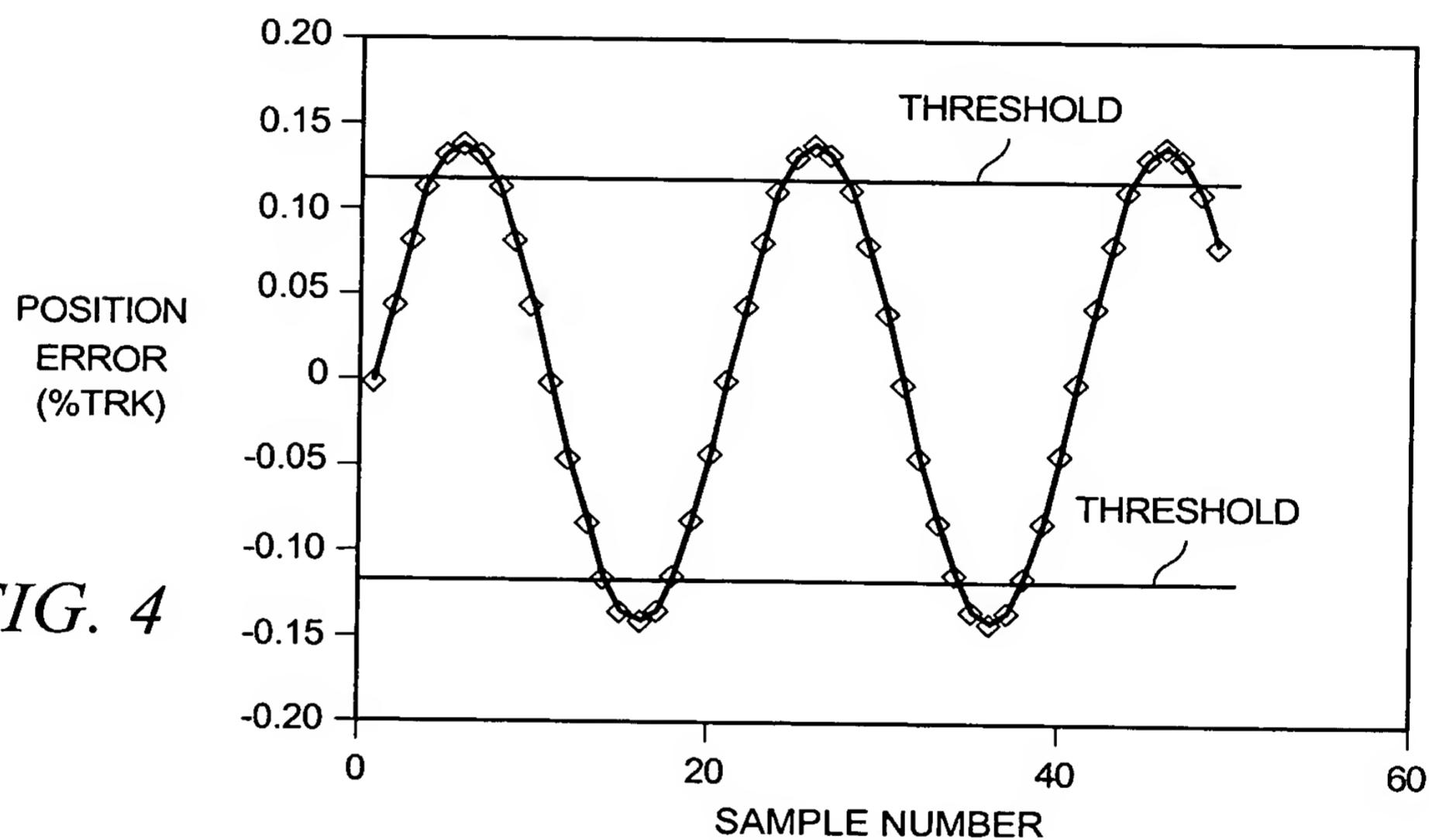


FIG. 4



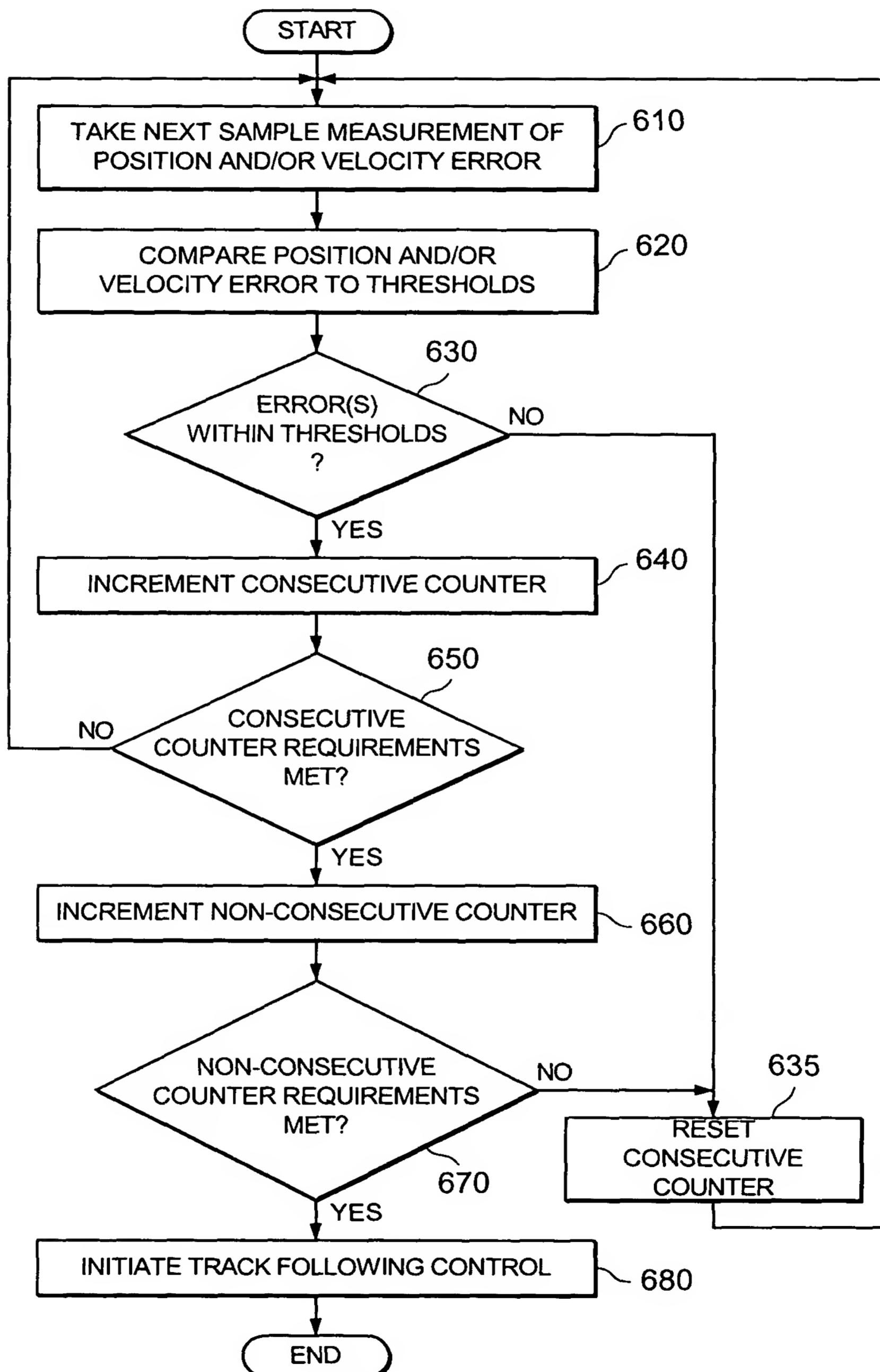


FIG. 6

FIG. 7

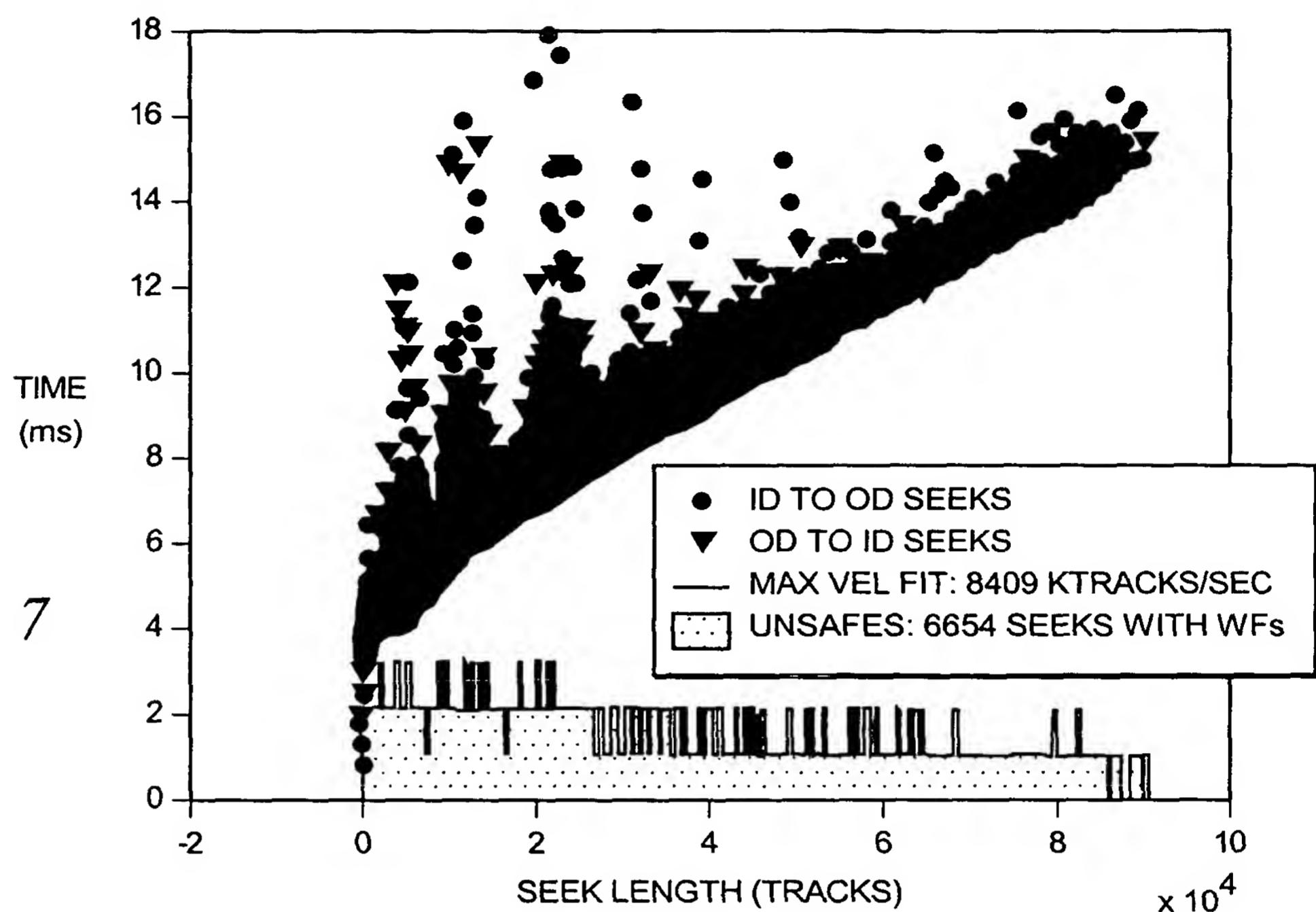


FIG. 8

